FORTINET

FortiDirector™

Intelligent ADC Service

Simple yet granular management

FortiDirector uses a rich rules engine to route and customize your traffic. You can route traffic to your network resources based on geography, ASN/CIDR, measured client and network performance, weighted distributions, consistent (sticky) routing, and more. FortiDirector also offers protocol-specific features like custom TTL for DNS and URL re-writing for HTTP.

Configurable health checking

FortiDirector monitors your application end points or your cloud services based on configurable health checks. All of your resources are monitored in real-time, all the time, from all 18 POP locations worldwide. Customizable health checks let you choose your protocol and parameters, from simple ping to a scripted layer-7 response content match.

Extensive visibility and stats

Traffic stats, performance data, and health checks are all available through the FortiDirector dashboard graphs, web download, and REST API. Data is summarized in real-time and available in a variety of formats and keyed by dimensions such as protocol, resource, rules, geography, client type, ASN and more.

Seamless failover to second closest redirector

- Zero software/hardware needed
- Cloud ADC
- Entirely actionable/configurable via Web Interface
- Integration API for your backend

Integrates with any server, service, CDN, etc.

- Dual HTTP 302 redirects and DNS ADC
- DNS and HTTP criteria: ASN, IP(CIDR), Geo, date/timerange, daily schedule, monthly schedule
- HTTP criterion: URL pattern matching
- Primary and failover delivery actions
- Even, weighted and auto-weighted delivery strategies
- Can balance any protocol using DNS rules
- Rules cloning/inheriting capability

FortiDirector delivers all the benefits of global load balancing without deploying hardware or software. Routing traffic with FortiDirector doesn't require complex integration.

- Agile control
- Instant visibility
- Point, click, scale any application
- Zero hardware or software; pay as you go
- Complete API support
- World-class network

Highly configurable health-checking backend

- HTTP, DNS, TCP, ICMP
- Configure polling intervals, geography, up and down thresholds

Extensive notification system: email, SMS, HTTP POST

Powerful analytics:

- Hits by delivery resources, rules
- Geo, ASN, browsers breakdown

All graphs exportable as CSVs

- Complete API support
- Get/clone/edit/delete FortiDirector rule sets
- Get traffic statistics: hits, traffic Integrate into your caching management and monitoring platforms

Service specifications

Any protocol load balancing

All protocols and traffic types cannot be load balanced the same way — some demand the low latency or protocol independence of DNS load balancing, whereas some require specific capabilities only brought by HTTP load balancing. The FortiDirector Service offers both.

DNS: Can be used to load balance any protocol: from live video streaming to application-specific protocols. Also the preferred load balancing method for smaller assets such as thumbnails suffering from HTTP 302 redirections.

HTTP: Perfectly fit for large objects such as video when connection time is not the limiting factor. Also handy when load balancing needs to be based on HTTP-specific parameters such as the URL.

Any criteria load balancing

FortiDirector implements unique types of criteria to mix-and-match into load balancing rules, answering the most intricate requirements of your infrastructure strategy.

Network-based conditions: Match against requester's IP address, CIDR block, and last mile provider (through AS Numbers) to trigger source-network based responses.

Geography-based conditions: Generate DNS or HTTP responses that are based on your requesting user's geography: region, country, state and metro granularity available!

Time-based conditions: Whether based on specific dates and times or a daily, weekly and monthly time schedule, you can factor time into your load balancing rules.

Use HTTP-specific conditions: Match strings within the content URL to trigger differentiated responses.

Stateful load balancing

Allow your FortiDirector traffic management rules to react to the changing status of your infrastructure resources. Get extensive health reports and integrate your FortiDirector failover strategy to your existing business processes and systems.

Global health-checking nodes: San Jose, Chicago, Miami, London, Amsterdam, Tokyo, Sydney, Singapore.

Wide variety of health-checks: DNS, TCP, HTTP, ping or even remote script call.

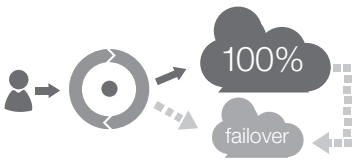
Custom set thresholds: %node until down, #retries before down, #retries before UP.

Extensive alerting: Email, SMS, HTTP Post to your monitoring system.

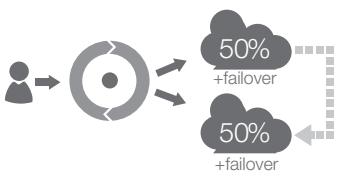
Accommodate any load balancing scenario

Get fine-grain control on the proportion of requests that are routed to all elements of your infrastructure. You configure proportions and the behavior in case of failure of any of your delivery clouds: redistribute to the remaining resources or failover dedicated ones.

Active/Passive



Active/Active



Active/Active Weighted

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